

Antibacterial activity of two different *Prathisaranas* against periodontitis

Abegunasekara NS¹, Peiris KPP¹, Sudesh ADH²

¹Department of Shalya Shalakya, Gampaha Wickramarachchi Ayurveda Institute, University of Kelaniya, Yakkala, Sri Lanka

²Central Laboratory, Gampaha Wickramarachchi Ayurveda Institute, University of Kelaniya, Yakkala, Sri Lanka

Abstract

'*Kushtaadi Choorna* and *Shwethamanjana Choorna*' are used in the treatment of *Danthamulagatha Roga* such as *Sheethada*, *Danthaweshta* and *Upakusha*. These formulations are used specially as a local treatment. *Staphylococcus aureus* and Methicillin resistant *Staphylococcus aureus* (MRSA) are main causative organisms of periodontal diseases. The present study was carried out to determine the antibacterial activity of *Kushtaadi choorna* and *Shwethamanjana choorna* using agar well diffusion method in comparison with standard antibiotic Amoxicillin against the *Staphylococcus aureus* (ATCC 25923) and Methicillin resistant *Staphylococcus aureus* (MRSA). The samples of *Prathisarana* were prepared in fine powder form, Amoxicillin as positive control and triplicates were made for each test. Observation was recorded by measuring the diameter of the inhibitory zones surrounding the wells. According to the results, inhibitory effect of both *Prathisarana* samples were significant for *Staphylococcus aureus* and Methicillin resistant *Staphylococcus aureus* (MRSA).

Keywords: *Kushtaadi Choorna*, *Shwethamanjana Choorna*, *Danthamulagatha Roga*
Corresponding E-mail: drpriyani@gmail.com